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Notice of Allowability	Application No.	Applicant(s)	
	10/633,000	GEDAMU ET AL.	
	Examiner	Art Unit	
	Chuc D. Tran	2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/3/05.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☒ The drawings filed on 01 August 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☒ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| <ol style="list-style-type: none">1. <input type="checkbox"/> Notice of References Cited (PTO-892)2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <ol style="list-style-type: none">5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance9. <input type="checkbox"/> Other _____ |
|--|---|


THUY V. TRAN
PRIMARY EXAMINER

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ann I. Dennen, Reg. NO. 44,651, Tel: (256) 704-3900 Ext. 101 on April 27, 2005.

The application has been amended as follows:

Claim 5, line 5, "a location" change to - - a first location - -;

Claim 9, line 6, "the" (location) change to - - a - -;

Claim 9, line 6, "a" (power connection) change to - - the - -;

Claim 9, line 7, "a" (power contact) change to - - the - -;

Claim 10, line 4, "a location" change to - - a first location - -.

Allowable Subject Matter

2. Claims 1-20 are allowed.
3. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the references of the Prior Art of record fails to teach or suggest the combinations of the limitations as set for in the claim: a logic configured to analyze the data and determine a first location of the power contact and a second location of the power connection based on the data.

Regarding claims 2 and 20 are allowable for the reason given in the claim because of their dependency status from the claim 1.

Regarding claim 3, the references of the Prior Art of record fails to teach or suggest the combinations of the limitations as set for in the claim: a boundary box data defining a region that comprises a plurality of signal routes.

Regarding claim 4 are allowable for the reason given in the claim because of their dependency status from the claim 3.

Regarding claim 5, the references of the Prior Art of record fails to teach or suggest the combinations of the limitations as set for in the claim: logic configured to extract from the dataset a first value indicative of a first location of the design block and a second value indicative of a second location of one power contact and specifically comprising the logic configured to automatically design routing of power to the one power contact based upon the first value and the second value.

Regarding claims 6-7 are allowable for the reason given in the claim 5 because of their dependency status from the claim 5.

Regarding claim 8, the references of the Prior Art of record fails to teach or suggest the combinations of the limitations as set for in the claim: means for automatically routing power from the power connection to the power contact based upon the design block and boundary box defined.

Regarding 9, the reference of the Prior Art of record fails to teach or suggest the

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combinations of the limitations as set for in the claim: a logic for analyzing the data to determine the location of the power connection and the power contact and specifically comprising the limitation of a logic for creating a representation of the power routing.

Regarding claim 10, the reference of the Prior Art of record fails to teach or suggest the combinations of the limitations as set for in the claim: a method comprising a step of extracting from a dataset comprising a plurality of values indicative of a design of an IC design block a first value indicative of a first location of the design block and a second value indicative of a second location of a power contact within the design block.

Regarding claims 11-12 are allowable for the reason given in the claim 10 because of their dependency status from the claim 10.

Regarding claim 13, the reference of the Prior Art of record fails to teach or suggest the combinations of the limitations as set for in the claim: a method of analyzing the data to determine the location of the power connection and the power contact and specifically comprising the method of creating a representation of the power routing.

Regarding claims 14-19 are allowable for the reason given in the claim 13 because of their dependency status from the claim 13.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

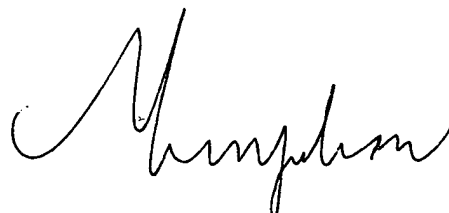
Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuc D. Tran whose telephone number is (571) 272-1829. The examiner can normally be reached on M-F Flex hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TC
April 27, 2005



THUY V. TRAN
EXAMINER